

ANIKA THAPAR

✉ anikathapar22@gmail.com

🌐 [@anika-thapar](https://www.linkedin.com/in/@anika-thapar)

📧 [@anikaact](https://www.github.com/@anikaact)

📞 (650)947-7579

📍 Palo Alto, CA

EDUCATION

Purdue University — College of Sciences

West Lafayette, IN

B.S. in Computer Science, Certificate in Entrepreneurship & Innovation

May 2028

- **GPA:** 3.75/4.0
- **Courses:** Data Structures & Algorithms, Object-Oriented Programming, Computer Architecture, Data Mining
- **Activities:** Purdue Stack, Kappa Theta Pi Vice President, Purdue Computer Science Ambassador

WORK EXPERIENCE

Machine Learning Intern

Oct 2025 – Present

Flovision Solutions

Remote

- Deployed a centralized AI agent management system using Docker, AWS ECS, and AWS ECR, improving internal efficiency for software and machine learning teams through scalable workflows and reduced configuration overhead.
- Trained a custom computer vision model to identify box labels by processing 1,000+ hours of facility data, benchmarking multiple OCR engines to achieve over 98% accuracy in text detection and extraction.

Fullstack Software Engineer

Feb 2025 – Present

Continuity Pharma

West Lafayette, IN

- Developed a persistent Python-based relay client through EC2 with exponential backoff and heartbeat monitoring.
- Engineered a self-healing serial communication layer using exponential backoff and asynchronous error handling.

Software Engineer Intern

May 2025 – Aug 2025

Sierra Ventures

San Mateo, CA

- Automated the extraction of 1,500+ startup profiles using BeautifulSoup to Google Sheets pipeline, reducing manual data entry by 15 hours per week and enabling real-time investment analysis for the venture team.
- Created Python workflows with OpenAI API, applying prompt engineering to enrich due diligence and sourcing.

Backend Engineer Intern

Jun 2024 – Aug 2024

Arccus

San Jose, CA

- Developed Python script using pexpect and multi-threading to detect core dumps, improved detection by 5x.
- Built automated email notification system, delivering comprehensive core dump reports to engineering team.
- Implemented 4 Jinja2 templates to streamline configuration testing across multiple networking protocols.

PROJECTS

Barter | CS 307

Jan 2026 – Present

- Led a team of 4 to build a full-stack marketplace using Node.js and Express, enabling seamless item trading.
- Implemented PostgreSQL triggers to invalidate JWT signatures across multiple browsers simultaneously.
- Leveraged Supabase to manage backend services, including automated login and user preference workflows.

Illume (Gemini Track Winner) | InnovateHer Hackathon

Feb 2026

- Designed a Chrome extension using Next.js, Express, and MongoDB to provide alerts on suspicious content.
- Integrated a cache-first risk engine using MongoDB, reducing API latency to achieve below 200ms response times.

Eve (Health Track - 1st Place) | InnovateHer Hackathon

Feb 2025

- Built an image scanner using OpenCV and TensorFlow to detect harmful ingredients in feminine products.
- Engineered a custom dataset of 200+ labeled images, implementing various data augmentation techniques to increase model robustness against varied lighting conditions, achieving 92% recognition accuracy.

LEADERSHIP

CS Undergraduate Student Board

Feb 2025 – Present

- Serve as a liaison between 3,500+ students and faculty to identify department concerns and spearhead initiatives.
- Founded and scaled the Panels initiative and Social Wellness initiative, leading 15 students in organizing events including student forums and career workshops, enhancing student's academic and social well-being.

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, TypeScript, C, C++, SQL, HTML/CSS, React, Next, Node

Developer Tools: Git, Linux, Jenkins, Docker, Amazon ECS/ECR/EC2, MongoDB, Supabase